RGB 168xi

Universal Mountable Computer-Video Interface with Audio, ADSP™, and AAP Openings

Shown with Optional AAPs

FEATURES

- Input: RGB video on female 15-pin HD connector; audio on 3.5 mm stereo mini connector
- Output: RGB video on female BNC connectors for RGBHV, RGBS, or RGsB; audio on captive screw connector
- Compatible with VGA-QXGA, Mac, Sun®, and SGI® computers
- 300 MHz (-3 dB) RGB video bandwidth
- ADSP™ - Advanced Digital Sync Processing
- Active PC audio to balanced audio interfacing
- Three double space AAP - Architectural Adapter Plate openings, AAPs sold separately
- Three-position level/peaking switch
- Horizontal shift control
- DDSP™ - Digital Display Sync Processing
- Automatic sync stripping from red, green, and blue
- Unswitched AC outlet, 600 watts max.
- Rack/through-desk mounting hardware included

DESCRIPTION

The Extron **RGB 168xi** with ADSP™ is a universal, analog computer-video interface with a female 15-pin HD input, buffered local monitor output, an unswitched AC outlet, and optional AAP - Architectural Adapter Plate openings for cable pass-through connectors. These plates affix to the front panel of the interface and allow various connectors to be attached while cables pass through the rear of the enclosure.

SPECIFICATIONS

VIDEO

Gain	Unity, (0.725 Vp-p) 50% peaking, (0.75 Vp-p) 100% peaking
Bandwidth	300 MHz (-3 dB)

VIDEO INPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 female 15-pin HD
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	Autoscan 15 kHz to 130 kHz
Vertical frequency	Autoscan 30 Hz to 120 Hz

VIDEO OUTPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB
Connectors	6 female BNC, 1 female 15-pin HD local monitor buffered output
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analog: 0.7 V to 0.75 Vp-p with 0.70 Vp-p input
Impedance	75 ohms

SYNC

Input type	RGBHV TTL (±), RGBS TTL (±), RGsB 0.3 V (-), RsGsBs 1.3 V (-)
Output type	RGBHV (±), RGBS (±), RGsB (-)
Input level	2 V to 5.5 Vp-p with ±0.2 VDC offset (max.)
Output level	4 V to 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms

Max. propagation delay	48 ns
Max. Rise / Fall time	3.5 ns
Polarity	RGBHV: when RGBHV is input, polarity follows input; otherwise negative RGBS, RGsB: negative

AUDIO

Gain	Unbalanced output: 0 dB; balanced output +6 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level
S/N	>72 dB, at maximum output (14 dBu), balanced (unweighted)
Stereo channel separation	>66 dB @ 1 kHz to 20 kHz

AUDIO INPUT

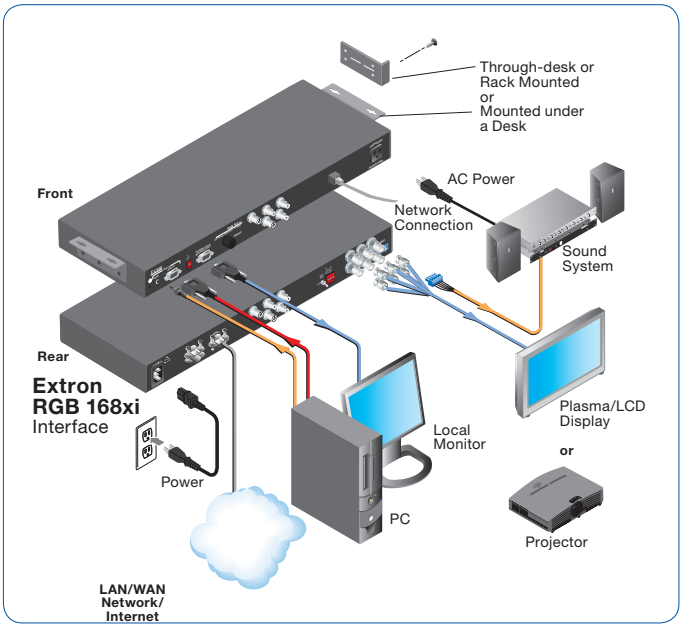
Number / Signal type	1 PC level stereo, unbalanced
Connectors	(1) 3.5 mm stereo jack, 2 channel; tip (L), ring (R), sleeve (ground)
Impedance	5k ohms, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+4.2 dBu, (unbalanced) at 1% THD+N

AUDIO OUTPUT

Number / Signal type	1 stereo (2 channel), balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Maximum level (600 ohm)	>+8.8 dBm, balanced at 1% THD+N

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 15 watts, internal, universal
MBC power jack	9.0 VDC, 150 mA
Rack mount	Yes, with included kit, #70-077-03
Furniture mount	Yes, with optional kit, #70-077-01 (under desk), or included kit #70-077-03 (through desk/rack mount)
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 6.0" D (1U high, full rack wide) 4.4 cm H x 44.5 cm W x 15.2 cm D (Depth excludes connectors and knobs. Width excludes rack ears.)
Product / Shipping weight	3.5 lbs (1.6 kg) / 7 lbs (4 kg)



MODEL

MODEL	VERSION DESCRIPTION	PART #
RGB 168xi	Mountable Universal Interface w Audio	60-379-12

REQUIRED ACCESSORY	MODEL DESCRIPTION	PAGE	PART #
VGA-A M-M MD/6	VGA with Audio Cable: 15-pin HD Male to Male Molded - 6' (1.8 m)	page 60	26-490-02
Mac 15-HD	Mac Adapter Kit with Audio	page 60	70-156-01
13W3 - 15HD	13W3 Adapter Kit with Audio	page 60	70-157-03

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